

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 173 and Bar Harbor Rd / Riviera Dr in Anne Arundel County. Video detection shall be installed on all approaches except the westbound approach. The westbound approach already has an existing video camera. MD 173 is assumed to be the northbound approach and also the eastbound approach of the intersection.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA seven-phase, fully-actuated mode, with the northbound MD 173 / southbound Riviera Rd approaches running concurrently. The Exclusive/Permissive left turn phase for the northbound approach of MD 173 shall remain in operation. The pedestrian phase with pushbutton actuation across the north leg of Riviera Dr shall continue to be provided. The pedestrian phase across the west leg of MD 173 on recall shall continue to be provided. Far-side sampling stations shall remain in operation for the west leg of MD 173 at this intersection. The concurrent right turn phase for the eastbound MD 173 approach shall remain in operation. An Exclusive/Permissive left turn phase for the westbound approach of Bar Harbor Rd shall continue to be provided. The eastbound MD 173 / westbound Bar Harbor Rd approaches shall also continue to run concurrently.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection. SHA Forces shall install video interface, one 4-channel rack, two 4-channel detector amplifiers and power supply into the cabinet.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #5 are as follows:

Ms. Kimerly Tran  
Assistant District Engineer - Traffic  
Phone: (410) 841-1019

Mr. Andre Futrell  
Assistant District Engineer - Maintenance  
Phone: (410) 841-1013

Mr. John Mays  
Assistant District Engineer - Utility  
Phone: (410) 841-1039

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Signal Shop  
410-787-7652

Mr. Sonny Bailey  
Sign Shop  
410-787-7670

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
No Equipment To Be Supplied by SHA.		

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8017	Control cable, 300', video detection camera to controller	1 EA
8019	Control cable, 200', video detection camera to controller	2 EA
8028	Remove and dispose of existing equipment per assignment.	1 EA
8065	Video detector camera.	3 EA

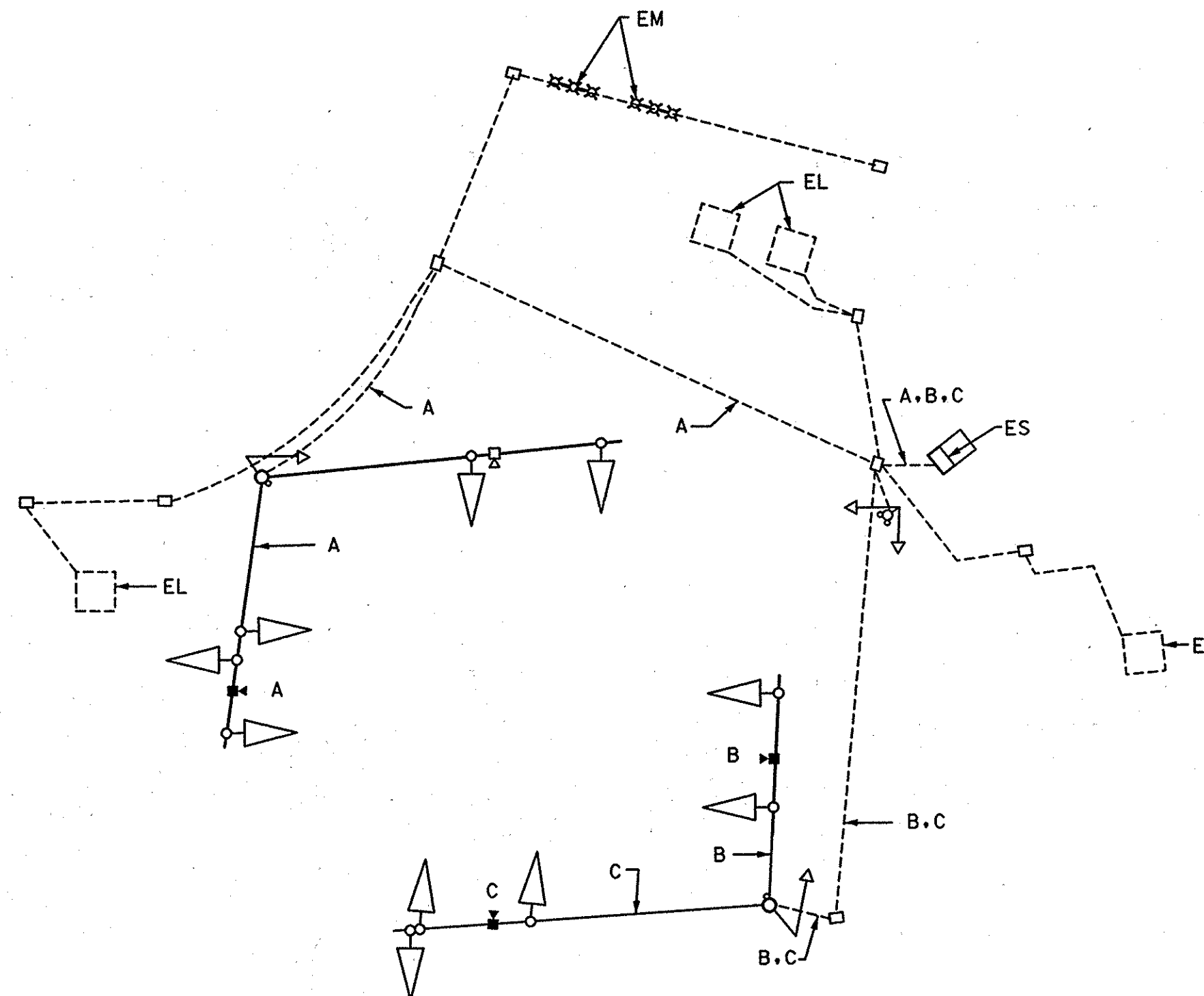
C. EQUIPMENT TO BE REMOVED

SHA Forces shall remove all unnecessary equipment from the controller. All other removed materials shall become property of the Contractor.

PHASE CHART

THERE IS NO CHANGE TO THE EXISTING PHASE CHART.

WIRING DIAGRAM



WIRING KEY

A - VIDEO CONTROL CABLE (300')  
B } VIDEO CONTROL CABLE (200')  
C }  
EM - EXISTING MICROLOOP LEAD-IN CABLE  
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING  
ES - EXISTING SERVICE MAINTAINED BY BGE

TOD NO: AT782-70  
SHA No: AA445A59/B59  
MD 173 @ Riviera Dr; MD 173 @ Bar Harbor Road

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

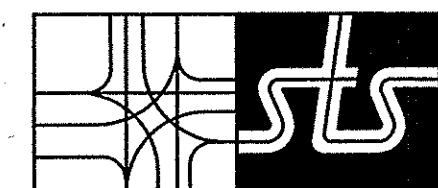
MD 173 AND  
BAR HARBOR RD / RIVIERA DRIVE  
RIVIERA BEACH, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 1-05-07 CONTRACT NO. AT7825185

DESIGNED BY J ALLEN COUNTY ANNE ARUNDEL  
DRAWN BY R. C. LOGMILE 02017305.13  
CHECKED BY TIMS NO. H846  
F.A.P. NO. TOD NO.

TS NO.1369 F DRAWING NO. 2 OF 2 SHEET NO. OF



STREET TRAFFIC STUDIES, LTD.  
400 Crain Hwy., NW  
Glen Burnie, MD 21061  
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512861.dgn

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PLOTTED: \$DATE\$  
FILE: \$FILE\$